

FIG. 1

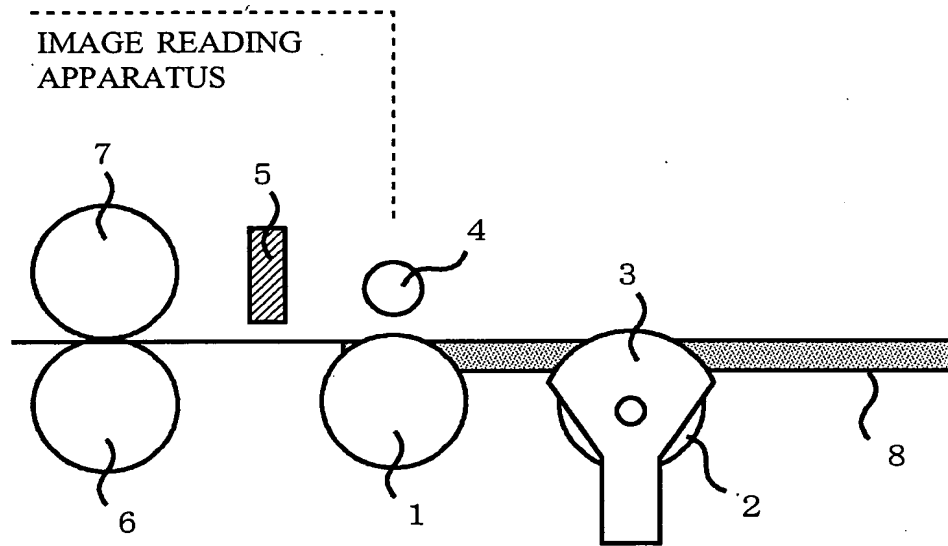


FIG. 2

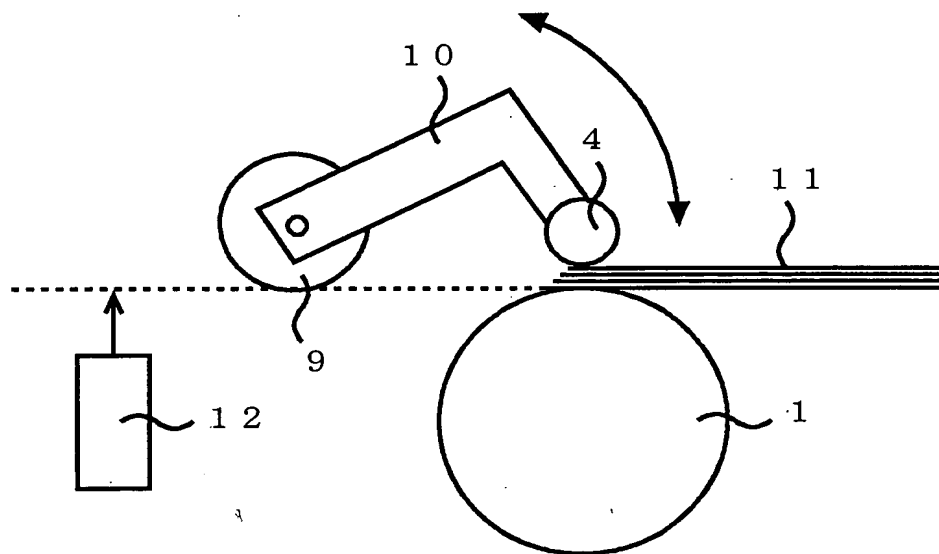


FIG. 3

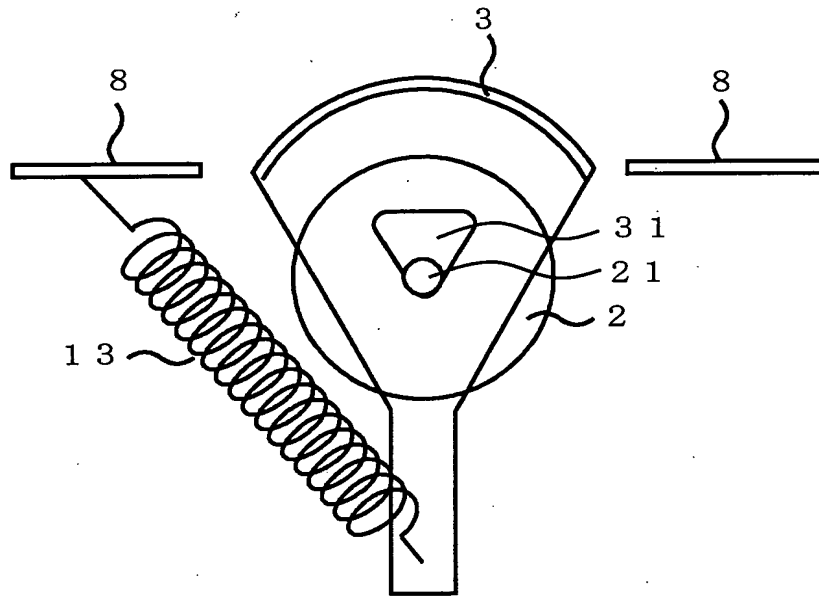


FIG. 4

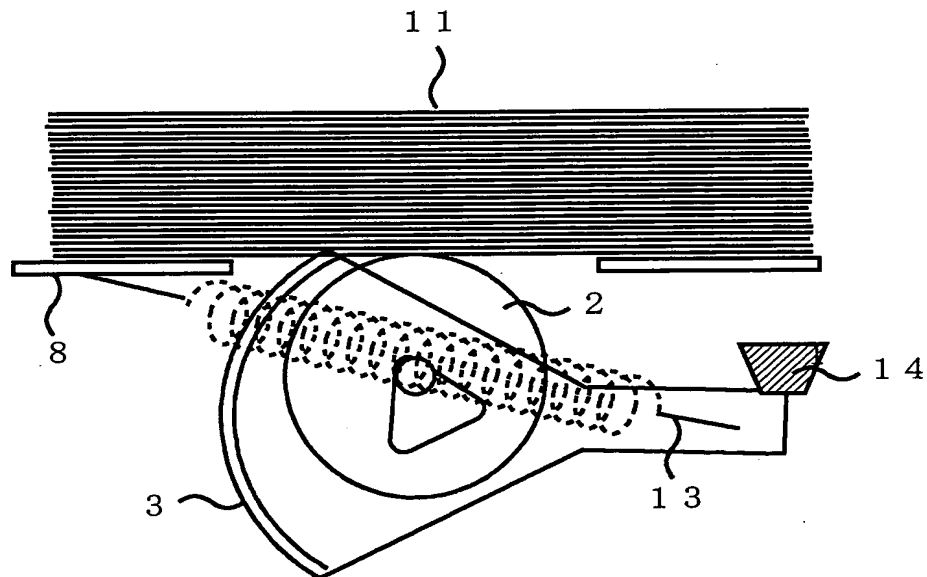


FIG. 5(A)

CASE WHERE NO LOAD IS APPLIED TO SHUTTER

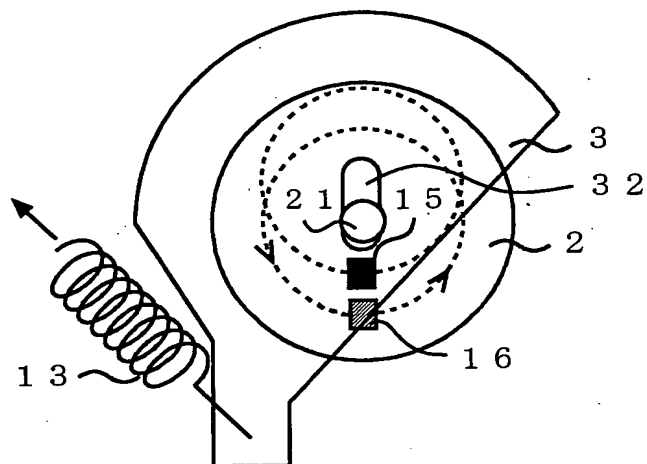


FIG. 5(B)

CASE WHERE LOAD IS APPLIED TO SHUTTER

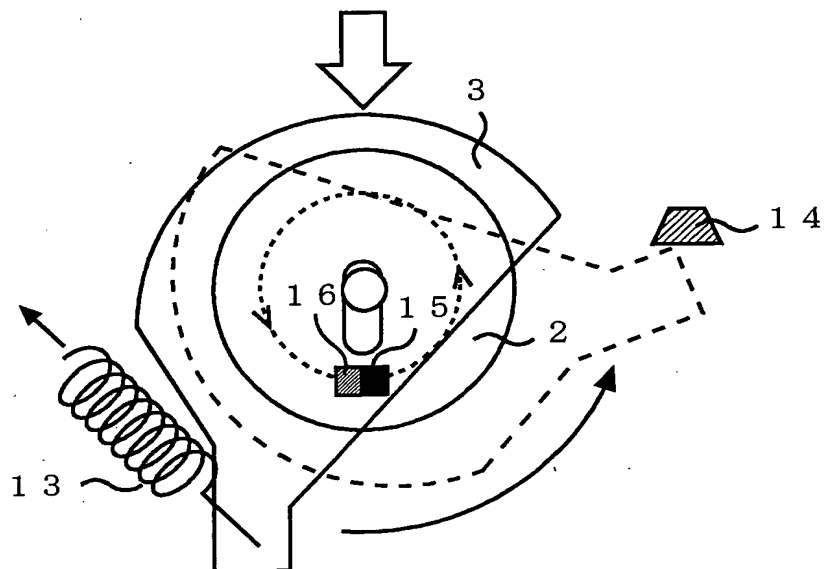


FIG. 6

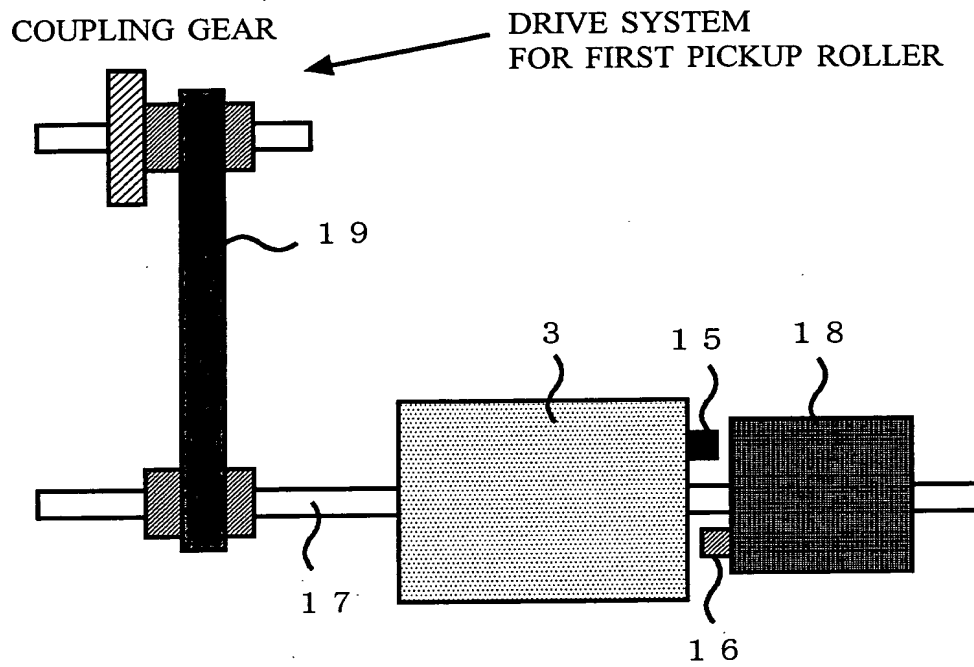


FIG. 7(A)

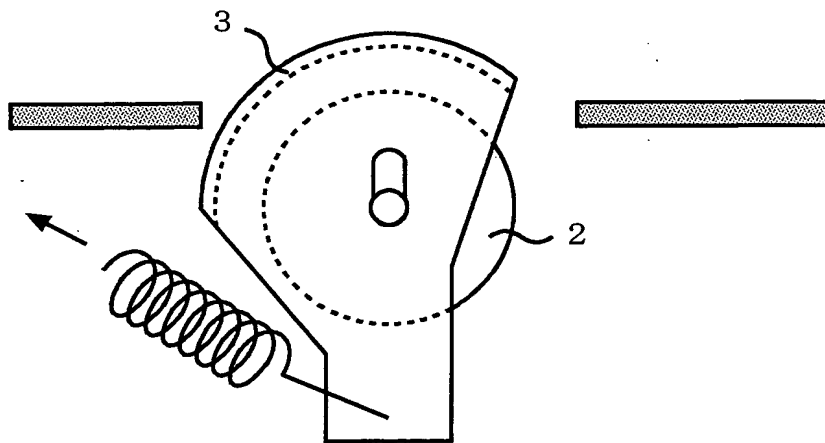


FIG. 7(B)

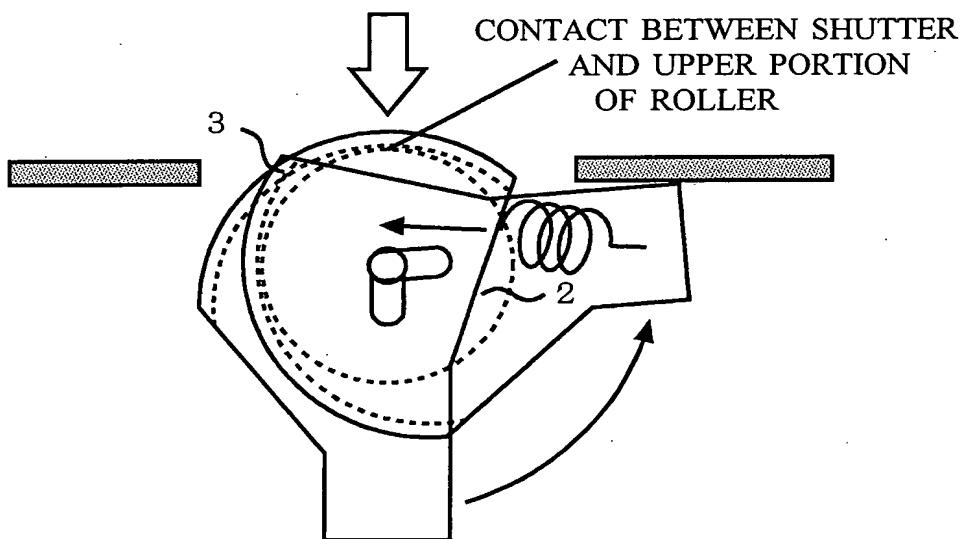


FIG. 8(A)

SIDE VIEW

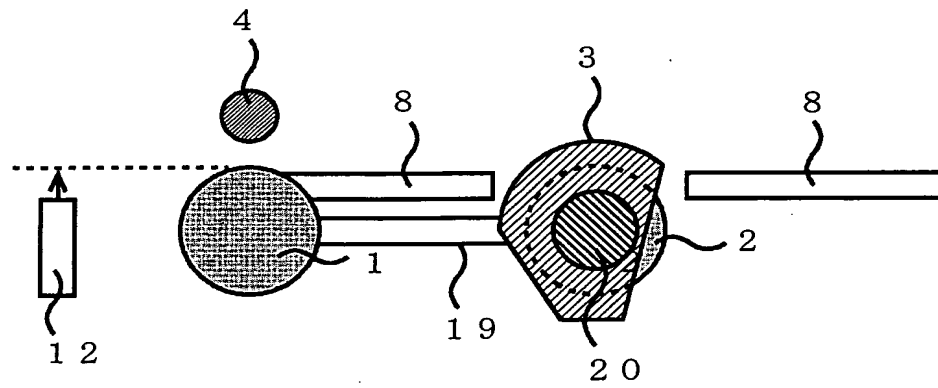


FIG. 8(B)

TOP VIEW

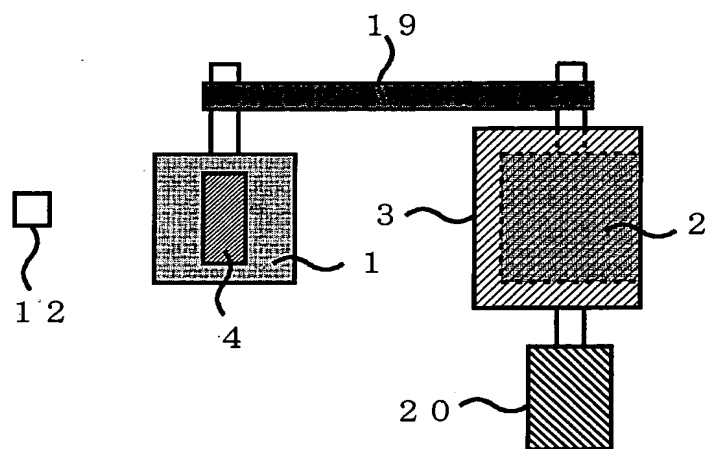


FIG. 9

PRIOR ART

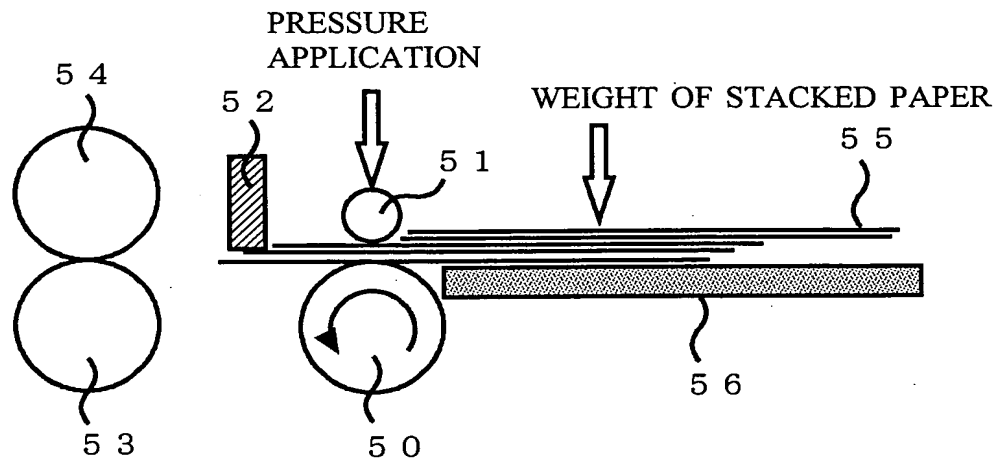


FIG. 10

PRIOR ART

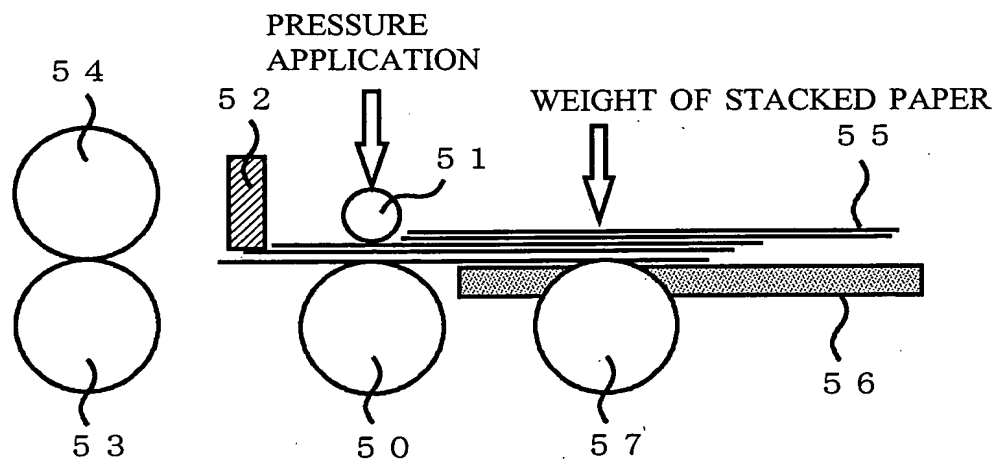


FIG. 11(A)

PRIOR ART

CASE WHERE AMOUNT OF PAPER IS SMALL

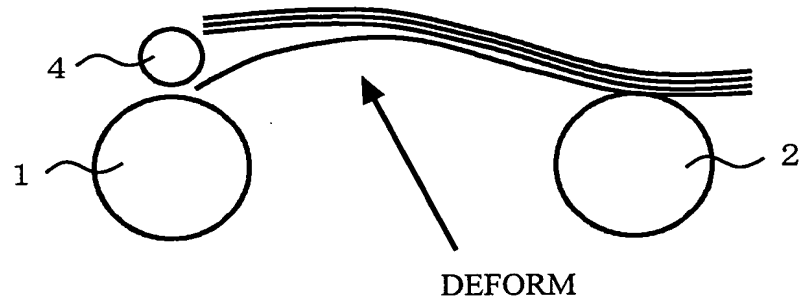


FIG. 11(B)

PRIOR ART

CASE WHERE AMOUNT OF PAPER IS LARGE

